

OGB - 22 INSTRUCTIONS

Read Carefully and Comply Fully

This report must be filed in duplicate with the State Oil and Gas Board within fifteen (15) days following the test.

The capacity test shall be taken as follows:

- A. The well shall be produced into a pipeline for a period of not less than 72 hours at its allowable with a rate tolerance of ten percent or, if a new well, at a rate approximately equal to the anticipated allowable.
- B. The well shall then be shut in for not more than 72 hours and the wellhead shut-in pressure shall be measured with a dead weight gauge or a precision gauge approved by the Supervisor. If there are accumulated liquids in the wellbore, the operator may determine the formation pressure of the well with a subsurface pressure gauge, in which case the wellhead shut-in pressure shall be calculated from the formation pressure data on the basis that a gas column exists in the flow string. Such calculation shall be made using a method approved by the Board.
- C. Immediately after the shut-in pressure is taken, the well shall be produced to the pipeline for a period of not less than 72 hours. The first 48 hours of the capacity test shall be the stabilization period. The last 24 hours shall be the capacity period and shall be measured with a dead weight gauge or a precision gauge approved by the Supervisor. The average production rate during the capacity period shall be the capacity for the well. Such rate shall not exceed plus or minus 10 percent of the average production rate during the stabilization period. The capacity test shall be considered invalid unless the difference between the shut-in pressure and the flowing pressure is equal to or greater than 50 psi.

The deliverability shall be determined by the following formula:

$$D = C \left[\frac{P_s^2 - (114.65)^2}{P_s^2 - P_f^2} \right]^{.85}$$

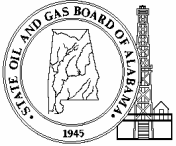
D = deliverability in Mcf/day at 114.65 psia

C = capacity, the average production rate during the last 24 hours of the capacity test

P_s = 72-hour wellhead shut-in pressure

P_f = stabilized flowing wellhead pressure taken during the last 24 hours of the capacity test

State Oil and Gas Board personnel will not make additions to or change any part of a notarized form.



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www.ogb.state.al.us

Permit number
01- -
API number

Well Capacity Test

New Well ☐ Retest ☐ Annual ☐

(file in duplicate)

Name of operator _____

Address _____ City _____ State _____ Zip _____

Well name and number	County
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Well

(give footage from nearest section or tract lines)

Section-Township-Range or Tract

Location

Latitude .

Longitude .

Field (If wildcat,
so state)

Reservoir

Allowable (if assigned)

Date of last test

TEST DATA

A. Average rate at which well produced for 72 hours preceding capacity test _____ Mcf/d

Time started _____ am/pm Date _____ Time finished _____ am/pm Date _____

B. 72-hour wellhead shut-in pressure (P_s) _____ psia

Time started _____ am/pm Date _____ Time finished _____ am/pm Date _____

C. Average production rate during 48-hour stabilization period _____ Mcf/d

Stabilized flowing wellhead pressure _____ psia

Average production rate during 24-hour capacity period (C) _____ Mcf/d

Stabilized flowing wellhead pressure (P_f) _____ psia

Time started _____ am/pm Date _____ Time finished _____ am/pm Date _____

Choke size _____ Type _____ Pipeline pressure _____ psig

Deliverability (D) (see reverse side)

Test conducted by _____
(Name) (Title)

Witnessed by _____
(Name) (Title)

Person to contact
regarding this
form

Phone number

Fax number

E-Mail address

Remarks:

Executed this the _____ day of _____, 20 _____

Signature

Before me, the undersigned authority, on this day personally appeared _____ known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he/she is duly authorized to make the above report and that he/she has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this _____ day of _____, 20____

SEAL

My commission expires

Notary Public in and for _____

County, _____

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